

Akulon[®] S223–XKG5

PA66–GF25

25% Glass Reinforced, Heat Stabilized

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	8600 / –	MPa	ISO 527–1/–2
Stress at break	180 / –	MPa	ISO 527–1/–2
Strain at break	4 / –	%	ISO 527–1/–2
Charpy impact strength (+23°C)	75 / –	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	10 / –	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	260 / *	°C	ISO 11357–1/–3
OTHER PROPERTIES			
	DRY / COND		
Water absorption	6.5 / *	%	Sim. to ISO 62
Humidity absorption	1.8 / *	%	Sim. to ISO 62
Density	1320 / –	kg/m ³	ISO 1183

